

IN THE CLAIMS

The status of the claims as presently amended is as follows:

1. (*Currently Amended*) ~~The~~ [[An]] audio signal supply apparatus ~~for supplying an audio signal to a loudspeaker array constituted by a plurality of loudspeaker units, characterized by~~ according to claim 3, further comprising:

~~a delay unit that performs a delay process for each of audio signals to be supplied to the loudspeaker units in accordance with provided delay control information;~~

~~a weighting unit that weights each of the delay processed audio signals from the first and second delay units to be supplied to the loudspeakers units in accordance with provided gain control information that is provided; and~~

~~a storage unit that stores [[a]] the first directivity parameter control information, which sets [[a]] the directional characteristic for the loudspeaker of the array speaker unit as a narrow directivity, and [[a]] the second directivity parameter control information, which sets the directional characteristic for the loudspeaker of the array speaker unit as a wide directivity~~[[;]]~~.~~

~~an input unit that receives a selection instruction for the directional characteristic; and~~

~~wherein the [[a]] directivity control unit that selects one of the directivity parameters in accordance with the input selection instruction, also generates the delay control information and the gain control information based on the selected directivity parameter, and supplies the delay control information and the gain control information to the delay unit and the weighting unit, respectively.~~

2. (*Currently Amended*) The audio signal supply apparatus according to claim 1, wherein ~~[[an]] the amount of delays indicated obtained by the second delay control information generated based on the second directivity parameter is 0 or an equal amount.~~

3. (*Currently Amended*) ~~The~~ An audio signal supply apparatus, ~~which supplies an audio signal to a loudspeaker array constituted by~~ for an array speaker unit comprising a plurality of loudspeakers units, ~~characterized by~~ comprising:

~~a branching unit that branches an input audio signal into two or more signals;~~

~~a first processing unit that performs a delay process and/or a weighting process for the signal that is obtained by branching one audio signal and is to be supplied~~ delay unit that provides a first delay for one of the branched audio signals and supplies first delay processed signals to the loudspeakers units in accordance with first provided directivity control information;

~~a second processing unit that performs a delay process and/or a weighting process for the signal that is obtained by branching one audio signal and that is to be supplied~~ delay unit that provides a second delay for another of the branched audio signals and supplies second delay processed signals to the loudspeakers ~~units~~ in accordance with second provided directivity control information ~~that is provided~~;

a directivity control unit that generates the first directivity control information and the second directivity control information so that a directional characteristic of the ~~loudspeaker array speaker unit~~ obtained by the first delay process differs from ~~[[a]] the~~ directional characteristic of the ~~loudspeaker array speaker unit~~ obtained by the second delay process, and ~~supplying~~ supplies the generated information respectively to the first ~~processing delay~~ unit and the second ~~processing delay~~ unit; and

an adding unit that adds the first and second delay processed signals applied to each of the respective loudspeakers audio signal processed by the first processing unit to the audio signal processed by the second processing unit.

4. (*Currently Amended*) The audio signal supply apparatus according to claim 3, wherein the directional characteristic of the ~~loudspeaker array speaker unit~~ obtained through the first delay process is a narrow directivity, and the directional characteristic of the ~~loudspeaker array speaker unit~~ obtained through the second delay process is a wide directivity.

5. (*Currently Amended*) The audio signal supply apparatus according to claim 4, wherein ~~an~~ the amount of delays obtained ~~at the delay process performed by the second process~~ delay is 0 or an equal amount.

6. (*Currently Amended*) The audio signal supply apparatus according to claim 3, ~~wherein~~ further including:

a frequency property correction unit that corrects a frequency property ~~for the signals obtained by branching the~~ of one of the branched audio signals ~~is arranged between the branching unit and~~ output to one of the first or second delay processing unit.

7. (*New*) The audio signal supply apparatus according to claim 3, further including:

a weighting unit that weights each of the audio signals from the first and second delay units to be provided to the loudspeakers in accordance with provided gain control information,

wherein the directivity control unit generates the gain control information.

8. (New) The audio signal supply apparatus according to claim 4, wherein the directional characteristic of the array speaker unit obtained through the first delay overlap with the directional characteristic of the array speaker unit obtained through the second delay.